

Attorney Docket No.: **PENN0870US.NP**
Inventors: **Sweeney et al.**
Serial No.: **10/566,796**
Filing Date: **April 2, 2008**
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This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): A method for treating or preventing inhibiting progression of skeletal muscle atrophy in a subject comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof synthetically derived compound which mimics the protease inhibitory activity of Bowman-Birk Inhibitor.

Claim 2 (original): The method of claim 1 wherein the composition is administered orally.

Claim 3 (original): The method of claim 2 wherein the composition is administered as a dietary supplement.

Claim 4 (original): The method of claim 1 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.

Claim 5 (currently amended): A method for improving skeletal muscle function in a subject comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof synthetically derived compound which mimics the protease inhibitory activity of Bowman-Birk Inhibitor.

Claim 6 (original): The method of claim 5 wherein the composition is administered orally.

Claim 7 (original): The method of claim 6 wherein the

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composition is administered as a dietary supplement.

Claim 8 (original): The method of claim 5 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.

Claim 9 (original): The method of claim 5 wherein improved skeletal muscle function comprises increased muscle strength or increased muscle mass.

Claim 10 (currently amended): A method for treating ~~or preventing~~ skeletal muscle degeneration in a subject comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof synthetically derived compound which mimics the protease inhibitory activity of Bowman-Birk Inhibitor.

Claim 11 (original): The method of claim 10 wherein the composition is administered orally.

Claim 12 (original): The method of claim 11 wherein the composition is administered as a dietary supplement.

Claim 13 (original): The method of claim 10 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.

Claim 14 (currently amended): A method for alleviating symptoms or slowing disease progression in a subject suffering from a degenerative skeletal muscle disorder or disease comprising administering to the subject a composition comprising Bowman-Birk Inhibitor or a derivative thereof synthetically derived compound which mimics the protease inhibitory activity of

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Bowman-Birk Inhibitor.

Claim 15 (original): The method of claim 14 wherein the composition is administered orally.

Claim 16 (original): The method of claim 15 wherein the composition is administered as a dietary supplement.

Claim 17 (original): The method of claim 14 wherein the composition comprises Bowman-Birk Inhibitor Concentrate.

Claim 18 (original): The method of claim 14 wherein the degenerative skeletal muscle disorder or disease is muscular dystrophy, amyotrophic lateral sclerosis, spinal muscle atrophy or spinal cord injury.